72 new members chosen by Academy

EurekAlert

WASHINGTON -- The National Academy of Sciences today announced the election of 72 new members and 18 foreign associates from 14 countries in recognition of their distinguished and continuing achievements in original research.

The election was held this morning during the business session of the 147th annual meeting of the Academy. Those elected today bring the total number of active members to 2,097. Foreign associates are nonvoting members of the Academy, with citizenship outside the United States. Today's election brings the total number of foreign associates to 409.

The National Academy of Sciences is a private organization of scientists and engineers dedicated to the furtherance of science and its use for the general welfare. It was established in 1863 by a congressional act of incorporation signed by Abraham Lincoln that calls on the Academy to act as an official adviser to the federal government, upon request, in any matter of science or technology.

Additional information about the Academy and its members is available online at HTTP://WWW.NASONLINE.ORG [1].

Newly elected members and their affiliations at the time of election are:

ALLEN, FRANCES E.; IBM Fellow Emerita, IBM Thomas J. Watson Research Center, Croton-on-Hudson, N.Y.

AMON, ANGELIKA; professor of biology, department of biology, Center for Cancer Research, Massachusetts Institute of Technology, Cambridge

ANDERSON, PORTER W.; senior lecturer, Harvard Medical School, Boston

BELL, ALEXIS T.; Theodore Vermeulen Professor of Chemical Engineering, department of chemical engineering, University of California, Berkeley

BENFEY, PHILIP; Paul Kramer Professor of Biology, department of biology, Duke University, Durham, N.C.

BENNETT, VANN; investigator, Howard Hughes Medical Institute, and James B. Duke Professor of Cell Biology, departments of cell biology, biochemistry, and neurobiology, Duke University Medical Center, Durham, N.C.

BERNARD, H. RUSSELL; Professor Emeritus, University of Florida, Gainesville

BISSELL, MINA J.; Distinguished Scientist, life sciences division, E.O. Lawrence Berkeley National Laboratory, Berkeley, Calif.

BURBANK, DOUGLAS W.; professor of geology and director, Institute for Crustal Studies, University of California, Santa Barbara

CAHALAN, MICHAEL D.; professor and chair, department of physiology and biophysics, University of California, Irvine

CONE, ROGER D.; chair, department of molecular physiology and biophysics, Vanderbilt University School of Medicine, Nashville, Tenn.

CRAIG, NANCY L.; investigator, Howard Hughes Medical Institute, and professor, department of molecular biology and genetics, Johns Hopkins University School of Medicine, Baltimore

DAVIS, JAMES C. (SEAMUS); J.G. White Distinguished Professor of Physical Science, department of physics, Cornell University, Ithaca, N.Y.

DRELL, PERSIS S.; professor, Stanford University, and director, SLAC National Accelerator Laboratory, Menlo Park, Calif.

DUBEY, JITENDER P.; research scientist and microbiologist, Agricultural Research Service, U.S. Department of Agriculture, Beltsville, Md.

DUNCAN, GREG J.; Distinguished Professor of Education, department of education, University of California, Irvine

EISENBERG, RICHARD; Tracy Harris Professor of Chemistry, department of chemistry, University of Rochester, Rochester, N.Y.

FLETTERICK, ROBERT J.; professor of biochemistry, department of biochemistry and biophysics, School of Medicine, University of California, San Francisco

FRIEDMAN, JEROME H.; professor of statistics, department of statistics, Stanford University, Stanford, Calif.

GANEM, DONALD E.; investigator, Howard Hughes Medical Institute, and professor of microbiology and medicine, University of California, San Francisco

GEHRELS, NEIL; chief, Astroparticle Physics Laboratory, NASA Goddard Space Flight Center, Greenbelt, Md.

GLATZMAIER, GARY A.; professor of earth and planetary sciences, department of earth and planetary sciences, University of California, Santa Cruz

GOLDEN, SUSAN S.; Distinguished Professor, division of biological sciences, University of California, San Diego, La Jolla

GOLDENFELD, NIGEL D.; Swanlund Professor of Physics, Loomis Laboratory of Physics, University of Illinois, Urbana-Champaign

GOUAUX, J. ERIC; investigator, Howard Hughes Medical Institute, and senior scientist, Vollum Institute, Oregon Health & Science University, Portland

HABER, JAMES E.; Abraham and Etta Goodman Chair of Biology and director, Rosenstiel Basic Medical Sciences Research Center, Brandeis University, Waltham, Mass.

HOPKINS, MICHAEL J.; professor, department of mathematics, Harvard University, Cambridge, Mass.

HOROWITZ, GARY T.; professor of physics, department of physics, University of California, Santa Barbara

HOUK, KENDALL N.; Distinguished Professor of Chemistry, department of chemistry and biochemistry, University of California, Los Angeles

IMPERIALI, BARBARA; Class of 1992 Professor of Chemistry and professor of biology, department of chemistry, Massachusetts Institute of Technology, Cambridge

JABLONSKI, DAVID; William R. Kenan Jr. Professor, department of geophysical sciences, University of Chicago, Chicago

JORDAN, MICHAEL I.; Pehong Chen Distinguished Professor, electrical engineering and computer sciences department, University of California, Berkeley

KAELIN, WILLIAM G.; investigator, Howard Hughes Medical Institute, and professor, Dana-Farber Cancer Institute, Harvard Medical School, Boston

KASPI, VICTORIA M.; professor, department of physics, McGill University, Montreal

KASTNER, DANIEL; chief, genetics and genomics branch, and clinical director and director of translational research, Intramural Research Program, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, Bethesda, Md.

KING, GARY; Albert J. Weatherhead III University Professor, department of government, Harvard University, Cambridge, Mass.

KIVELSON, STEVEN A.; professor of physics, department of physics, Stanford University, Stanford, Calif.

KOONIN, STEVEN E.; undersecretary for science, U.S. Department of Energy, Washington, D.C.

KOSHLAND, DOUGLAS E.; investigator, Howard Hughes Medical Institute, and senior staff member, department of embryology, Carnegie Institution of Washington, Baltimore

KUHL, PATRICIA; co-director, Institute for Learning and Brain Sciences, and professor, department of speech and hearing sciences, University of Washington, Seattle

LANIER, LEWIS L.; professor, Cancer Research Institute, and professor and vice chair, department of microbiology and immunology, University of California, San Francisco

LUNINE, JONATHAN I.; professor of planetary sciences, department of physics, University of Rome, Rome

MACDONALD, ALLAN H.; Sid W. Richardson Foundation Regents Chair, department of physics, University of Texas, Austin

MACKAY, TRUDY F.C.; William Neal Reynolds Distinguished University Professor of Genetics and Entomology, department of genetics, North Carolina State University, Raleigh

MARE, ROBERT D.; professor, department of sociology, University of California, Los Angeles

MEDZHITOV, RUSLAN; investigator, Howard Hughes Medical Institute, and David W. Wallace Professor of Immunobiology, department of immunobiology, Yale University School of Medicine, New Haven, Conn.

MIRKIN, CHAD A.; director, International Institute for Nanotechnology, and George B. Rathmann Professor of Chemistry, department of chemistry, Northwestern University, Evanston, Ill.

MORAN, EMILIO F.; Distinguished Professor and Rudy Professor of Anthropology, department of anthropology, Indiana University, Bloomington

NUSSE, ROELAND; investigator, Howard Hughes Medical Institute, and professor of developmental biology, department of developmental biology, Stanford University School of Medicine, Stanford, Calif.

POLASKY, STEPHEN; Fesler Lampert Professor of Ecological/Environmental Economics, department of applied economics, University of Minnesota, St. Paul

RIDDIFORD, LYNN M.; senior fellow, Howard Hughes Medical Institute, Janelia Farm Research Campus, Ashburn, Va.

RODRIGUEZ-ITURBE, IGNACIO; James S. McDonnell Distinguished University Professor of Civil and Environmental Engineering, department of civil and environmental engineering, Princeton University, Princeton, N.J.

ROGOFF, KENNETH S.; Thomas D. Cabot Professor of Public Policy and professor of economics, department of economics, Harvard University, Cambridge, Mass.

ROSS, LEE D.; Stanford Federal Credit Union Professor of Psychology, department of psychology, Stanford University, Stanford, Calif.

RUBIN, DONALD B.; John L. Loeb Professor of Statistics, department of statistics, Harvard University, Cambridge, Mass.

RUDNICK, ROBERTA L.; professor of geology, department of geology, University of Maryland, College Park

SAWYERS, CHARLES L.; investigator, Howard Hughes Medical Institute, and chairman, Human Oncology and Pathogenesis Program, Memorial Sloan-Kettering Cancer Center, New York City

SEJNOWSKI, TERRENCE J.; investigator, Howard Hughes Medical Institute, and professor of biology, Salk Institute for Biological Studies, La Jolla, Calif.

SPENCER, THOMAS C.; professor of mathematics, School of Mathematics, Institute for Advanced Study, Princeton, N.J.

STANISH, CHARLES; director, Cotsen Institute of Archaeology, and professor, department of anthropology, University of California, Los Angeles

STRUHL, KEVIN; David Wesley Gaiser Professor, department of biological chemistry and molecular pharmacology, Harvard Medical School, Boston

SWANSON, LARRY W.; Milo Don and Lucille Appleman Professor of Biological Sciences, department of biological sciences, University of Southern California, Los Angeles

SZABO, ATTILA; chief, section on theoretical biophysical chemistry, Laboratory of Chemical Physics, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, Md.

SZEMEREDI, ENDRE; State of New Jersey Professor of Computer Science, department of computer science, Rutgers University, Piscataway, N.J.

TRUMBORE, SUSAN E.; director, Institute for Geophysics and Planetary Physics, and professor, department of earth system science, University of California, Irvine

VAN DUYNE, RICHARD P.; Charles E. and Emma H. Morrison Professor of Chemistry, department of chemistry, Northwestern University, Evanston, Ill.

WATERS, MARY C.; M.E. Zuckerman Professor of Sociology, department of sociology, Harvard University, Cambridge, Mass.

WEITZ, DAVID A.; Mallinckrodt Professor of Physics and of Applied Physics, department of physics, division of engineering and applied science, Harvard University, Cambridge, Mass.

WERB, ZENA; professor and vice chair, department of anatomy, School of Medicine, University of California, San Francisco

WOLF, JACK KEIL; Stephen O. Rice Professor, Center for Magnetic Recording, University of California, San Diego, La Jolla

YAU, KING-WAI; professor of neuroscience and ophthalmology, Solomon H. Snyder Department of Neuroscience, Johns Hopkins University School of Medicine, Baltimore

ZHU, JIAN-KANG; Jane S. Johnson Chair Professor, department of botany and plant sciences, University of California, Riverside

Newly elected foreign associates, their affiliations at the time of election, and their country of citizenship are:

ALDOUS, DAVID; professor of statistics, department of statistics, University of California, Berkeley (United Kingdom)

BAUMEISTER, WOLFGANG P.; professor and director, department of molecular structural biology, Max Planck Institute for Biochemistry, Martinsried, Germany (Germany)

DEHAENE, STANISLAS; director, Cognitive Neuroimaging Unit, National Institute of Health and Medical Research (INSERM), Paris (France)

FELDMANN, MARC; professor and head, Kennedy Institute of Rheumatology, Arthritis Research Campaign Building, Imperial College London, London (Australia/United Kingdom)

GRILLNER, STEN; professor, Nobel Institute for Neurophysiology, department of neuroscience, Karolinska Institutet, Stockholm, Sweden (Sweden)

HANSKI, ILKKA A.; professor of zoology, department of ecology and evolutionary biology, University of Helsinki, Helsinki, Finland (Finland)

HAROCHE, SERGE; chair of quantum physics and professor, Laboratoire Kastler Brossel, departement de physique, College de France, Paris (France)

HEBERLEIN, ULRIKE A.; professor, department of anatomy, University of California, San Francisco (Chile)

HEMINGWAY, JANET; director, Liverpool School of Tropical Medicine, Liverpool, United Kingdom (United Kingdom)

KONDOROSI, EVA; founder and director, Institute for Plant Genomics, Human Biotechnology, and Bioenergy, Szeged, Hungary (Hungary)

LOMNITZ, LARISSA A.; professor and senior investigator, Instituto de Matematicas

Aplicadas y Sistemas, National University of Mexico, Álvaro Obregón (Chile/Mexico)

MAINI, RAVINDER; professor of rheumatology, Kennedy Institute of Rheumatology, Imperial College London, London (United Kingdom)

MAYOR, MICHEL G.; professor, department of astronomy, University of Geneva, Sauverny, Switzerland (Switzerland)

PARRINELLO, MICHELE; professor of computational science, chemistry, and applied biosciences, department of chemistry and applied biosciences, Swiss Federal Institute of Technology, Lugano, Switzerland (Italy)

RAMOS, VICTOR A.; Profesor Titular de Geotectonica y Tectonica, Andina, departamento de ciencias geologicos, Universidad de Buenos Aires, Buenos Aires, Argentina (Argentina)

SCHULZE-LEFERT, PAUL; director, department of plant microbe interactions, Max Planck Institute for Plant Breeding Research, Koln, Germany (Germany)

SESHADRI, CONJEEVERAM S.; founder and director, Chennai Mathematical Institute, Siruseri, India (India)

ZHOU, ZHONGHE; director, Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing (China)

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